

DERWENT-ACC-NO: 1997-403879
DERWENT-WEEK: 199738
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TITLE: Lightweight brake actuator for electrically applied
vehicle brakes - is
driven by spindle having rolling body with special
peripheral contour
interposed between rod and nut driven by hollow-axis rotor.

INVENTOR: DIECKMANN, T; HENKEN, I ; PRINZLER, H

PATENT-ASSIGNEE: CONTINENTAL AG[CONW]

PRIORITY-DATA: 1996DE-1007295 (February 27, 1996)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES	MAIN-IPC	
DE 19607295 C1	August 28, 1997	N/A
004	B60T 013/74	

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
DE 19607295C1	N/A	1996DE-1007295
February 27, 1996		
DE 19607295C1	Add to	DE 19543098
N/A		

INT-CL (IPC): B60T013/74; F16D065/21

ABSTRACTED-PUB-NO: DE 19607295C

BASIC-ABSTRACT: The actuator is driven by a motor (4) via a
threaded spindle

(16) with a rod (18') co-operating with a friction lining
(34), and a nut (20)

moved along it by the rotor (8) of the motor. An axial
bearing of the nut

housing in the immediate vicinity of the lining is sited
between the housings

(24,40) of the nut and actuator.

A sliding bearing (42) is provided between the leading end
of the rod and the

lining. The rod is restrained from rotating by special shaping of its leading end, engaging with a corresponding profile of the lining via the sliding bearing which decouples transverse force.

ADVANTAGE - The rigidity of the actuator is increased and its energy requirement reduced.

CHOSEN-DRAWING: Dwg.1/1

TITLE-TERMS:

LIGHT BRAKE ACTUATE ELECTRIC APPLY VEHICLE BRAKE DRIVE
SPINDLE ROLL BODY
SPECIAL PERIPHERAL CONTOUR INTERPOSED ROD NUT DRIVE HOLLOW
AXIS ROTOR

DERWENT-CLASS: Q18 Q63 X22

EPI-CODES: X22-C02;

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N1997-335693

